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POTENTIAL HYDROELECTRIC POWER PRODUCTION IN CHINA

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Summary: Three new hydroelectric power plants at Ta-feng-man, Ching-po Hu, and Sup'ung will produce one million kilowatts when completed. This report also gives estimated hydroelectric power capacity per river, river groups, or geographic area.

China's potential electric power production is estimated to be 149 million kilowatts. It is estimated that the Yangtze River can produce 83 million kilowatts. However, only one fourth of this amount will electrify the entire Yangtze River Basin.

In Northeast China and in Korea, hydroelectric plants have been constructed at Ta-feng-man, Ching-po Hu, and Sup'ung (水 壩) [Sui-feng]. Sup'ung was destroyed by the Americans. When these plants are completed they will produce a total of one million kilowatts. The electrical equipment that has now been installed produces 300,000 kilowatts.

More hydroelectric power plants may be constructed in the Yellow River Basin from Ho-ch'u to Feng-ling-tu. This would furnish North China with the necessary electric power. At the following localities there is an abundant hydroelectric power potential: Near Chungking on the Lung-ch'i Ho; near Lo-shan on the Ta-tu Ho and the Ma-pien Ho (馬 邊 河); near K'un-ming on the T'ang-lang Ch'uan; near Ch'ang-sha and Chu-chou; near Shanghai on the Ch'ien T'ang Chiang; near Canton on the Weng Chiang. These water power projects will require a large initial capital investment but will later supply very cheap electric power.

The estimated hydroelectric power capacity per river, river groups, or geographic area, is as follows:

	<u>No of Kilowatts</u>
Rivers of the Northeast	6,400,000
Yellow River	18,600,000
Rivers of North China	500,000
Yangtze River	82,700,000
Rivers of Chekiang and Fukien Province	1,900,000
Chu Chiang	3,700,000
Rivers of Taiwan and Hainan	2,800,000
Brahmaputra River	20,000,000
Rivers and streams that cross mountain ranges	100,000
Rivers of Sinkiang Province	30,000

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